PTO/SB/05 (08-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control number.

## UTILITY PATENT APPLICATION

Under the Paperwork Reduction Act of 1995, no persons are	required to re		of information unless it displays a valid OMB control number		
UTILITY PATENT APPLICATION TRANSMITTAL	Attorn	ey Docket No.	MWS-086		
	First Ir	nventor	Arwen Warlock		
	Title	CONVERSION OF MODEL COMPONENTS INTO			

TRANSMITTAL	nue	REFERENCES					
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Expres	ss Mail Label No. EV 309881243 US					
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application co	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)					
Applicant claims small entity status.		8 Nucleotide and/or Amino Acid Sequence Submission					
See 37 CFR 1.27.  3. X Specification [Total Pages 7(	<u></u>	(if applicable, all necessary) a. Computer Readable Form (CRF)					
(preferred arrangement set forth below)	b. Specification Sequence Listing on:						
Descriptive title of the invention     Cross Reference to Related Applications		i. CD-ROM or CD-R (2 copies); or ii. Paper					
Statement Regarding Fed sponsored R & D     Reference to sequence listing, a table,		c. Statements verifying identity of above copies					
or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention		ACCOMPANYING APPLICATION PARTS					
Brief Description of the Drawings (if filed)     Detailed Description		9. X Assignment Papers (cover sheet & document(s))					
- Claim(s) - Abstract of the Disclosure		10. 37 CFR 3.73(b) Statement Power of Attorney					
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 2	.8 J	11. English Translation Document (if applicable)					
5. Oath or Declaration [Total Sheets]	4 ]	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations					
a. X Newly executed (original or copy)		13. Preliminary Amendment					
b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
i DELETION OF INVENTOR(S)	Certified Copy of Priority Document(s)						
Signed statement attached deleting inventor(s) named in the prior application,		(if foreign priority is claimed)  16. X Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).					
see 37 CFR 1.63(d)(2) and 1.33(b).	Applicant must attach form PTO/SB/35 or its equivalent.						
6. X Application Data Sheet. See 37 CFR 1.76	17. Other:						
	and supp	by the requisite information below and in the first sentence of the					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:							
Continuation Divisional Continuation-in-part (CIP) of prior application No.:							
Prior application information: Examiner  Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied							
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
19. CORRESPONDENCE ADDRESS							
x Customer Number: 00959		OR Correspondence address below					
LAHIVE & COCKFIELD, LLP							
Kevin J. Canning							
Address 28 State Street							
City Boston State		MA Zip Code 02109					
Country US Telephone (617) 227-7400 Fax (617) 742-4214							
Name (Print/Type)   Seam D. Detweiter   Registration No. (Attorney/Agent)   42,482							
Signature	払	Date November 17, 2003					
	1						

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309881243 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Bor 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 17, 2003

Signature: Sean D. Detweiler) PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

EEE TO A NOMITTAL			Complete if Known					
FEE TRANSMITTAL		Application Number Not Yet Assigned						
for FY 2004		Filing Date				Concurrently Herewith		
_		First Named Inventor			ntor	Arwen Warlock		
Effective 10/01/2003, Patent fees are subject to annual revision.		Examiner Name Not Yet Assigned				ssigned		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit N/A				`.		
TOTAL AMOUNT OF PAYMENT (\$) 1,724.00		Attorney Docket No. MWS-086						
		7 1110111	.,					<del></del>
METHOD OF PAYMENT (check all that apply)						_ATION (co	intinuea)	
Check Credit Money Other None	3. 🗸	ADDITIO	ONAL	FEES				
X Deposit Account:								
Deposit 40,000	Larg Fee	e Entity		Entity	-			
Account 12-0080	Code	Fee (\$)	Fee Code	Fee (\$)		Fee Desc	ription	Fee Paid
Deposit Account Lahive & Cockfield, LLP	1051	130	2051	65	Surcharge	- late filing fe	e or oath	
Name	1052	50	2052	25		– late provisi	onal filing fee or cover	
The Director is authorized to: (check all that apply)					sheet.			<u> </u>
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	-	h specificatio		
X Charge any additional fee(s) or any underpayment of fee(s)	1812	-	1812		-		parte reexamination	
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Examiner a		•	
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting Examiner a	g publication of	of SIR after	
FEE CALCULATION	1251	110	2251	55		for reply within		
1. BASIC FILING FEE	1252		2252	210			n second month	<b></b>
Large Entity   Small Entity   Fee   Fee   Fee   Fee   Fee   Fee   Fee   Fee   Fee   Paid	1253		2253	475		for reply within		
Code (\$) Code (\$)	1254	1,480	2254	740	Extension	for reply withi	n fourth month	
1001 770 2001 385 Utility filing fee 770.00	1255		2255			for reply within	n fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of A	• •		
1003 530 2003 265 Plant filing fee	1402		2402	165	-	ef in support o	of an appeal	
1004   770   2004   385   Reissue filing fee	1403 1451		2403 1451	145	· ·	r oral hearing	lic use proceeding	
	1452		2452	55		revive - unav		<del>                                     </del>
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665		revive - uninte		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue	e fee (or reiss	ue)	
Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issu	ue fee		
Total Claims 66 -20** = 46 x 18.00 = 828.00	1503	640	2503	320	Plant issue	fee		
Independent 4 -3** = 1 x 86.00 = 86.00	1460	130	1460	130	Petitions to	the Commis	sioner	
Claims	1807	50	1807	50	Processing	fee under 37	CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submission	n of Informatio	on Disclosure Stmt	
Fee Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40		each patent a	ssignment per	40.00
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a sul	omission after	final rejection	
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1. For each a	.129(a)) dditional inve	ntion to be	<b> </b>
1203 290 2203 145 Multiple dependent claim, if not paid	1810		2810	385	examined (	(37CFR 1.129	(b))	<b>  </b>
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	•	r Continued E r expedited e	examination (RCE)	<b> </b>
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802		1802	900		application		<b></b>
		fee (spe	••					
SUBTOTAL (2) (\$) 914.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00 **or number previously paid, if greater, For Reissues, see above					40.00			
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Seam D. Detweiler		tration No		,482		T	(617) 227-7400	
	Attom	ey/Agent)				<del>                                     </del>	,	
Signature Date November 17, 2003				2003				
I hereby certify that this correspondence is being denosited	with th	20116	Doctal	Sondo	o oo Ever	oo Mail Air	bill No. EV 200991:	242 116

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309881243 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.D. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Signature:

Dated: November 17, 2003

(Sean D. Detweiler)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

First	Named Inventor	Arwen Warlock		
Title	CONVERSION OF MODEL COMPONENTS INTO REFERENCES			
Attor	ney Docket No.	MWS-086		

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

November 17, 2003

Date

(617) 227-7400

Telephone Number

Sean D. Detweiler - 42,482

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309881243 US, in an envelope addressed to: MS Patent Application, Commissioner to Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 17, 2003

Signature:

(Sean D. Detweiler)